

03/23/99  
16525 U.S. PTO

PATENT

A

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Jung-Hyun Hwang & Woon Na  
Serial No.: Not Yet Assigned  
Filing Date: HEREWITH  
Title: IMAGING APPARATUS AND IMAGE SIGNAL PROCESSING  
METHOD PRODUCING WIDE DYNAMIC RANGE  
Docket No.: SAMJ-069

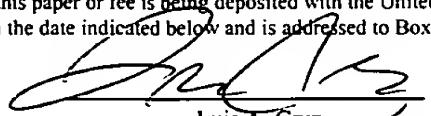
09/27/99  
16512 U.S. PTO  
03/23/99

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10**

"Express Mail" Mailing Label Number EL263624100US I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, DC 20231.

3/23/99

Date of Deposit



Luis A. Cruz

**BOX PATENT APPLICATION**  
Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**TRANSMITTAL LETTER**

Enclosed herewith for filing in the above-identified patent application please find the following listed items:

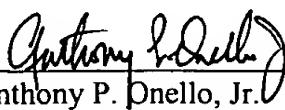
1. New Application Transmittal;
2. New Patent Application;
3. Declaration, Petition and Power of Attorney (original signature);
4. Five (5) Sheets of Formal Drawings;
5. Certified Copy of Priority Document -- Korean Patent Application No. 98-35852;
6. Assignment of Patent Rights (original signature);
7. Form PTO-1595;
8. Check in the amount of \$40.00 to cover requisite fee;
9. Information Disclosure Statement;
10. Form PTO-1449 citing one (1) patent;
11. Copy of cited patent;
12. Check in the amount of \$760.00 to cover application filing fee; and
13. Return Postcard.

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 12-0448. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

LAPPIN & KUSMER LLP

Date: March 23, 1999  
Two Hundred State Street  
Boston, MA 02109  
Telephone: (617) 330-1300  
Facsimile: (617) 330-1311

  
Anthony P. Onello, Jr.  
Registration Number 38,572  
Attorney for Applicants  
G:\SAMJ\069\APPLN\TRANS.APP

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Jung-Hyun Hwang & Woon Na

For (title): IMAGING APPARATUS AND IMAGE  
SIGNAL PROCESSING METHOD  
PRODUCING WIDE DYNAMIC RANGE

1. Type of Application This new application is for a(n)

- Original (nonprovisional)
- Design
  - Plant
  - Divisional.
  - Continuation.
  - Continuation-in-part (C-I-P).

2. Benefit of Prior Application(s)

- The new application being transmitted claims the benefit of prior Korean application(s) no. 98-35852.  
See item 8 below where benefit of prior application(s) is claimed.

3. Papers Enclosed

12 Pages of specification

5 Pages of claims

1 Page of Abstract

5 Sheets of drawings

formal

informal

1 Page of Cover Sheet

## CERTIFICATE OF MAILING

37 C.F.R. § 1.10

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Date: March 23, 1999

Luis A. Cruz  
Print Name

The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).

4. Additional papers enclosed

- Preliminary Amendment
- Information Disclosure Statement (37 C.F.R. 1.98)
- Form PTO-1449 (PTO/SB/08A and 08B)
- Copies of cited references
- Declaration of Biological Deposit
- Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- Special Comments
- Other: Return Postcard.

5. Declaration or oath

- Enclosed
  - Unexecuted
- Executed by
  - inventors
  - legal representative of inventor(s).  
37 CFR 1.42 or 1.43.
  - joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
  - This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 12 below for fee.
- Not Enclosed
- Application is made by a person authorized under 37 C.F.R. 1.41 (c) on behalf of all the above named inventor(s).
  - Showing that the filing is authorized.

**6. Language**

- English
- Non-English
- The attached translation is a verified translation. 37 C.F.R. 1.52(d).

**7. Assignment**

- An assignment of the invention to Samsung Electronics Co., Ltd.
- is attached. A separate  "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or  FORM PTO 1595 is also attached.
- will follow.

**8. Certified Copy**

Certified copy(ies) of application(s)

<u>Country</u>	<u>Appln. no.</u>	<u>Filed</u>
Republic of Korea	98-35852	1 September 1998

<u>Country</u>	<u>Appln. no.</u>	<u>Filed</u>

<u>Country</u>	<u>Appln. no.</u>	<u>Filed</u>

from which priority is claimed

- is (are) attached.
- will follow.

9. Fee Calculation (37 C.F.R. 1.16)

A.  Regular application

CLAIMS AS FILED				
	Number filed	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) <u>\$760.00</u>
Total				
Claims (37 CFR 1.16(c))	20	- 20 =	0	\$ 18.00
Independent				
Claims (37 CFR 1.16(b))	3	- 3 =	0	\$ 78.00
Multiple dependent claim(s), if any (37 CFR 1.16(d))			+	\$260.00

- Amendment cancelling extra claims is enclosed.
- Amendment deleting multiple-dependencies is enclosed.
- Fee for extra claims is not being paid at this time.

Filing Fee Calculation \$ 760.00

B.  Design application

(\$320.00-37 CFR 1.16(f))

Filing Fee Calculation \$ \_\_\_\_\_

C.  Plant application

(\$530.00-37 CFR 1.16(g))

Filing fee calculation \$ \_\_\_\_\_

10. Small Entity Statement(s)

- Verified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is (are) attached.
- Status as a small entity was claimed in prior application \_\_\_\_\_, filed on \_\_\_\_\_ from which benefit is being claimed for this application under:

35 U.S.C.  119(e),

120,

121,

365(c),

and which status as a small entity is still proper and desired.

A copy of the verified statement in the prior application is included.

**Filing Fee Calculation (50% of A, B or C above)**

\$\_\_\_\_\_

**11. Request for International-Type Search (37 C.F.R. 1.104(d))**

Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

**12. Fee Payment Being Made at This Time**

Not Enclosed

No filing fee is to be paid at this time.

*(This and the surcharge required by 37 C.F.R. 1.16(e) can be paid subsequently.)*

Enclosed

Basic filing fee \$ 760.00

Recording assignment  
(\$40.00; 37 C.F.R. 1.21(h))  
(See attached "COVER SHEET FOR ASSIGNMENT  
ACCOMPANYING NEW APPLICATION".) \$ 40.00

Petition fee for filing by other than all the  
inventors or person on behalf of the inventor  
where inventor refused to sign or cannot be  
reached  
(\$130.00; 37 C.F.R. 1.47 and 1.17(h)) \$ \_\_\_\_\_

For processing an application with a  
specification in a non-English language  
(\$130.00; 37 C.F.R. 1.52(d) and 1.17(k)) \$ \_\_\_\_\_

Processing and retention fee  
(\$130.00; 37 C.F.R. 1.53(d) and 1.21(l)) \$ \_\_\_\_\_

Fee for international-type search report  
(\$40.00; 37 C.F.R. 1.21(e)) \$ \_\_\_\_\_

**Total fees enclosed** \$ 800.00

13. **Method of Payment of Fees**

Checks in the amount of \$ 760.00 & 40.00

Charge Account No. 12-0448 in the amount of \$ \_\_\_\_\_  
A duplicate of this transmittal is attached.

14. **Authorization to Charge Additional Fees**

The Commissioner is hereby authorized to charge the following additional fees during the entire pendency of this application to Account No. 12-0448.

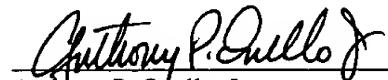
37 C.F.R. 1.16(a), (f) or (g) (filing fees)  
 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)  
 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)  
 37 C.F.R. 1.17 (application processing fees)  
 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))

15. **Instructions as to Overpayment**

Credit Account No. 12-0448  
 Refund

Respectfully submitted,

LAPPIN & KUSMER LLP



Anthony P. Ouello, Jr.  
Registration Number 38,572  
Attorney for Applicants

Date March 23, 1999  
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Boston, MA 02109  
617-330-1300  
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